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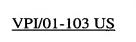
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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner:

Deepak R. Rao

Group Art Unit:

1624

Applicant:

Jingrong Cao, et al.

Serial No.:

10/071.699

Filing Date:

February 8, 2002

For:

THOENTER 1600/2900 HETEROCYCLIC INHIBITORS OF ERK2 AND

**USES THEREOF** 

Cambridge, Massachusetts June 6, 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

### RESPONSE TO RESTRICTION REQUIREMENT AND PRELIMINARY AMENDMENT

#### Dear Examiner Rao:

This is in response to the Restriction Requirement dated May 7, 2003 relating to the above-identified application.

## INTRODUCTORY MATTER

The Examiner has restricted originally filed claims 1-70 of the above-identified application into the following 8 groups:

Group I.

Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein

 $Z^1$  is N and  $Z^2$  is C and Q is -CO<sub>2</sub>-, -C(O)NR<sup>7</sup>-, or -S(O)<sub>2</sub>NR<sup>7</sup>-.

Group II.

Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein

 $Z^1$  is C and  $Z^2$  is N and Q is -CO<sub>2</sub>-, -C(O)NR<sup>7</sup>-, or -S(O)<sub>2</sub>NR<sup>7</sup>-.

Group III.

Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein

 $Z^1$  and  $Z^2$  are N and Q is -CO<sub>2</sub>-, -C(O)NR<sup>7</sup>-, or -S(O)<sub>2</sub>NR<sup>7</sup>-.

Group IV.

Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein

 $Z^1$  and  $Z^2$  are C and Q is -CO<sub>2</sub>-, -C(O)NR<sup>7</sup>-, or -S(O)<sub>2</sub>NR<sup>7</sup>-.

Group V. Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein  $Z^1$  is N and  $Z^2$  is C and Q is other than -CO<sub>2</sub>-, -C(O)NR<sup>7</sup>-, or -S(O)<sub>2</sub>NR<sup>7</sup>-.

Group VI. Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein  $Z^1$  is C and  $Z^2$  is N and Q is other than -CO<sub>2</sub>-, -C(O)NR<sup>7</sup>-, or -S(O)<sub>2</sub>NR<sup>7</sup>-.

Group VII. Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein  $Z^1$  and  $Z^2$  are N and Q is other than -CO<sub>2</sub>-, -C(O)NR<sup>7</sup>-, or -S(O)<sub>2</sub>NR<sup>7</sup>-.

Group VIII. Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein  $Z^1$  and  $Z^2$  are C and Q is other than  $-CO_2$ -,  $-C(O)NR^7$ -, or  $-S(O)_2NR^7$ -.

Applicants elect the invention of Group I (Claims 20-70, 7-9, 16-19, and 1-6 (in part), 10-15 (in part), wherein  $Z^1$  is N and  $Z^2$  is C and Q is  $-CO_2$ -,  $-C(O)NR^7$ -, or  $-S(O)_2NR^7$ -), without traverse, for further prosecution in this application.

For further prosecution of elected Group I, please amend the application as follows: